

0984870.061304

>33358 cDNA ORF 75-1046  
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CCAAGGGGCAAGTAGAAACCATTTAGCTTTTAGCTCTTTGTTGTTAAGAACTTAAAAGAACTGTGAAGT  
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tgatttagttccttccttcagcccttccccactttttttctttcttTCCTTGAATAAATCTGGTATAATT  
TTGAAAAAAAAAAAAAAAAAAAAA

**Figure 1A**

>33358 amino acids  
MEDGPVFYGFKNIFITMFATFFFFKLLIKVFLALLTHFYIVKGNRKEAARIAEEIYGGISDCWADRSPLH  
EAAAQGRLLALKTLIAQGVNVNLVTINRVSSLHEACLGGHVACAKALLENGAHVNGVTVHGATPLFNACC  
SGSAACVNVLLEFGAKAQLEVHLASPIHEAVKRGHRECMEILLANNVNIDHEVPQLGTPLYVACTYQRVD  
CVKKLLELGASVDHGQWLDTPLHAAARQSNVEVIHLLTDYGANLKRRNAQGKSALDLAAPKSSVEQALL  
REGPPALSQLCRLCVRKCLGRACHQAIHKLHLPEPLERFLLYQ.

**Figure 1B**

09884870.061801

## Cong. Heart Failure (CHF)

	1	2	3	4	5	6	7	8	9	10	11	12
A	HMVEC1	Fetal Brain	Bronchial Epithelium Mix (HBEAS-2B)	Mesangial		LPS 24 hr Osteoblasts	A2780 WT	UCLA-R Lung Carcinoma	Erythroleukemia cells	Trachea	Testes (random-primed)	Placenta (random-primed)
B	HUVEC1	Bronchial Epithelium		124 Cl8	Mammary Gland	Burkitt's Lymphoma	A2780 ADR	UCLA-S Lung Carcinoma	Embryonic Keratinocytes	ME180 IL-1 Cervical Carcinoma	Testes	Mammary Gland (random-primed)
C	HL60/S	Astrocyte	Cerebellum	T24 Treated	Natural Killer Cells	Mammary Epithelium	Fetal Spleen	p65 Con +/+	SCC25 CD1DP- Tongue Squamous Cell Carcinoma	ME180 Control	RAJ1 (Burkitt's Lymphoma B cell)	Small Intestine (random-primed)
D	U937/A10P1 0	Prostate Epithelium	Pancreas	Prostate Fibroblast		Uterine Smooth Muscle, treated	Esophagus	p65 IL-1 +/+	SCC25 WT- Tongue Squamous Cell Carcinoma	MCP-1 Mast cell line	ST486 (Lymphoma B cell)	Fetal Liver (random-primed)
E	U937/A10pS 0	Primary Osteoblast	Aortic Endothelial	Bone Marrow	Prostate Smooth Muscle	Umbilical Smooth Muscle, treated	Fetal Liver	A549 con	Fetal Hypothalamus	HPKII	HL60 (Acute Promyelocytic Leukemia)	
F	CaCo	Keratinocytes	Fetal Kidney	Cong. Heart Failure (CHFc)	Thyroid	Bronchial Smooth Muscle	Fetal Skin	A549 IL-1	T cells, CD3 treated	Lung (random-primed)	Umbilical Smooth Muscle, treated (random-primed)	Stomach (random-primed)
G	HeLa	Melanocytes	Fetal Liver	Adrenal Gland	LPS 4 hr Osteoblasts	WT LNCap+ Casodex	Fetal Adrenal Gland	Fetal Testes	T cells, CD3, IL-4/IL-10 treated		Uterine Smooth Muscle, treated (random-primed)	Spleen (random-primed)
H	HL60/Adr	Coronary Smooth Muscle Cells	Fetal Lung	Fetal Thymus	LPS 6 hr Osteoblasts	WT LNCap+ Testosterone	Midterm Placenta	Pulmonary Artery Smooth Muscle	T cells, CD3, IFN $\gamma$ /TNF $\alpha$ treated	Fetal Brain (random-primed)	Skin/ Adipose	Liver (random-primed)

\*All random-primed libraries in ZAP EcoRI/XhoI unless otherwise indicated


	1	2	3	4	5	6	7	8	9	10	11	12
A	Kidney (random-primed)	Testes	Prostate	HMVEC1 control (mast cell line)	Fetal Dorsal Spinal Cord	CHT127	erythroblasts (jthMc)	spinal cord (ION3) (jthbd)	HUVEC TGF $\beta$ (umbilical endothelium)	HUVEC Hypoxia (umbilical)	Spinal Chord (ION 3)	
B	Brain (random-primed)	K563 (RBC line)	Uterus	Hep-G2 (insulinoma)	Normal Colon	CHT1221	skin (PIT211,212)	HUVEC control (fibrocyte)	human colon inflamm. bowel disease	Melanoma G361 cell line	Adult Bone Marrow CD34+ Cells	

Heart  
(random-  
primed)

Skeletal muscle (random-primed)

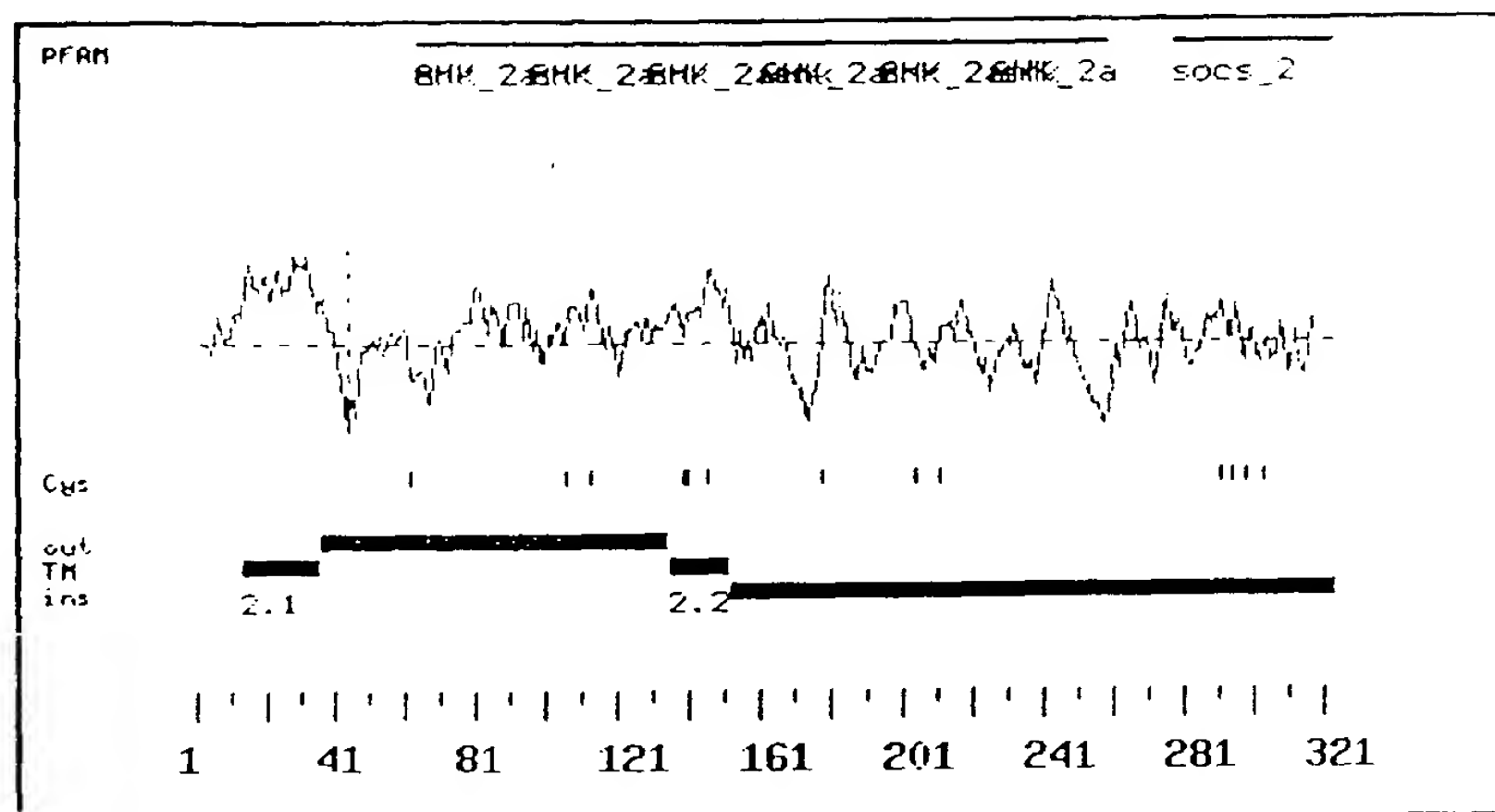
### Figure 2A

## Heart

<b>C</b>	HPK (random primed)	Lung	Mammary Gland	Normal Breast Epithelia	Colon to Liver Metastasis (CHT128)	normal breast	BMD34+ (jyhMc)	W138 20hr serum starve emb. Lung	Th1 Cells	HUVEC untreated (umbilical endothelia)
<b>D</b>	Uterus (random primed)	Liver	Spleen	Normal Ovarian Epithelia	Colon to Liver Metastasis (CHT133)	PTH Osteo	ovarian ascites (johOb)	lung squamous cell carcinoma	Th2 Cells	IBD Colon (WUM 23)
<b>E</b>	Thymus (random primed)		Small Intestine	Normal Megakaryocytes	Colon Carcinoma (NDR109)	lung adenocarcinoma (PTT245)	IBD colon (WUM6) (jblna)	brain subcortical white matter	Prostate Tumor Xenograft A12	Trigeminal Ganglia
<b>F</b>	9 week Fetus	Thymus	Retinal Pigmentosa Epithelia	<b>Bone Marrow</b>	Colon Carcinoma (NDR103)	lung squamous cell carcinoma PTT299	Cervical Cancer (johCe)	normal prostate (ziplo x)	Prostate Tumor Xenograft K10	Lumbosacral Spinal Chord
<b>G</b>	A549 control (random primed)	Stomach	Retina	Th-1 induced T cell	Colon Carcinoma (NDR82)	d8 dendritic cells	Spinal cord (jlbhe)	ovarian epithelium tumor	Prostate Cancer to Liver Metastasis JHH3	Lumbosacral Dorsal Root Ganglia
<b>H</b>	Salivary Gland	Skeletal Muscle	HMC-1 mast cell line	Th-2 induced T cell	Colon Carcinoma (NDR097)	Megakaryocytes (jthcb)	DRG (ION6,7,8) (jlyxc)	HUVEC name (umbilical end.)	Prostate Cancer to Liver Metastasis JHH4	Dorsal Root Ganglia (ION 6,7 & 8)

### Figure 2B

# Analysis of 33358 (323 aa)



>33358  
 MEDGPVFGFKNIFITMFATFFFFKLLIKVFLALLTHFYIVKGNRKEAARIAEETIYGGIS  
 DCWADRSPLHEAAAQGRLLALKTLIAQGVNVNLVTINRVSSLHEACLGGHVACAKALLEN  
 GAHVNGVTVHGATPLFNACCSGSAACVNVLLLEFGAKAQLEVHLASPIHEAVKRGHRECME  
 ILLANNVNIDHEVPQLGTPLYVACTYQRVDCVKKLLELGASVDHGQWLDTPHAAARQSN  
 VEVIHLLTDYGANLKR RNAQGKSALDLAAPKSSVEQALLLREGPPALSQLCRLCVRKCLG  
 RACHQAIHKLHLPEPLERFLLYQ

FIGURE 3